

Title (en)
HOOKWORM PLATELET INHIBITOR

Title (de)
INHIBITOR FÜR BLUTPLÄTTCHEN DES HAKENWURMS

Title (fr)
INHIBITEUR DES PLAQUETTES D'ANKYLOSTOME

Publication
EP 1165598 A4 20021030 (EN)

Application
EP 00918509 A 20000330

Priority
• US 0008519 W 20000330
• US 12723999 P 19990331

Abstract (en)
[origin: WO0058341A1] An inhibitor of platelet aggregation and adhesion is purified and characterized from soluble protein extracts of adult Ancylostoma caninum hookworms, and then cloned and sequenced. The inhibitor blocks platelet aggregation in response to a variety of agonists, interfering with the binding of at least one cell surface integrin with its respective ligand. Embodiments include inhibition of the binding of fibrinogen to cell surface integrin GPIIb/IIIa (alpha IIb beta 3) and inhibition of the binding of collagen to cell surface integrin GPIa/IIa (alpha 2 beta 1). Medical and veterinary pharmaceutical and immunological compositions containing the platelet inhibitor, and methods of using it, are described.

IPC 1-7
C07K 1/00; C07K 14/00; A61K 38/00

IPC 8 full level
C12N 15/09 (2006.01); **A61K 35/56** (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61P 7/02** (2006.01); **A61P 33/10** (2006.01); **A61P 37/04** (2006.01); **A61P 43/00** (2006.01); **C07K 14/435** (2006.01)

CPC (source: EP)
A61P 7/02 (2017.12); **A61P 33/10** (2017.12); **A61P 37/04** (2017.12); **A61P 43/00** (2017.12); **C07K 14/4354** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
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• [A] MOYLE MATTHEW ET AL: "A hookworm glycoprotein that inhibits neutrophil function is a ligand of the integrin CD11b/CD18.", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 269, no. 13, 1994, pages 10008 - 10015, XP002210469, ISSN: 0021-9258
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• See references of WO 0058341A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0058341 A1 20001005; AU 3930800 A 20001016; CA 2367424 A1 20001005; EP 1165598 A1 20020102; EP 1165598 A4 20021030; JP 2002539817 A 20021126

DOCDB simple family (application)
US 0008519 W 20000330; AU 3930800 A 20000330; CA 2367424 A 20000330; EP 00918509 A 20000330; JP 2000608041 A 20000330